

WBS 3.2

Inj/Low Beta Linac

Component estimates for the Drift Tube section of the Driver Linac

		k\$		
1.2.3 Final Design				
1.2.3.1 Driver Accelerator Systems				
1.2.3.1.4 Drift Tube Linac Section		1000	(preliminary engineering design additional \$0.6M)	
1.3.2 Drift Tube Linac Section				
1.3.2.1 Box Cryomodules				
1.3.2.1.1 Cryomodule #1 (0.021 & 0.03 b Fork Cavities)	1178			
1.3.2.1.1.1 Cavities		772		
1.3.2.1.1.2 Cryostats		152		
1.3.2.1.1.3 Internal Cryogenics		19		
1.3.2.1.1.4 Focusing Magnets		99		
1.3.2.1.1.5 Vacuum Systems		51		
1.3.2.1.1.6 Cavity Processing & Cryostat Assembly		85		
1.3.2.1.2 Cryomodule #2-5 (0.062 b QWR Cavities)	3862			
1.3.2.1.2.1 Cavities		2564		
1.3.2.1.2.2 Cryostats		607		
1.3.2.1.2.3 Internal Cryogenics		76		
1.3.2.1.2.4 Focusing Magnets				
1.3.2.1.2.5 Vacuum Systems				
1.3.2.1.2.6 Cavity Processing & Cryostat Assembly				
1.3.2.2 Circular Cryomodules				
1.3.2.2.1 Cryomodule #6-10 (0.128 b Cavities)				
1.3.2.2.1.1 Cavities		2692		
1.3.2.2.1.2 Cryostats		1212		
1.3.2.2.1.3 Internal Cryogenics				
1.3.2.2.1.4 Focusing Magnets				
1.3.2.2.1.5 Vacuum Systems		430		
1.3.2.2.1.6 Cavity Processing & Cryostat Assembly		492		
1.3.2.2.2 Cryomodule #11-19 (0.190 b Cavities)	9381			
1.3.2.2.2.1 Cavities		4846		
1.3.2.2.2.2 Cryostats		2182		
1.3.2.2.2.3 Internal Cryogenics		378		
1.3.2.2.2.4 Focusing Magnets		315		
1.3.2.2.2.5 Vacuum Systems		774		
1.3.2.2.2.6 Cavity Processing & Cryostat Assembly		886		
1.3.2.2.3 Cryomodule #20-31 (0.38 b Cavities)	12671			
1.3.2.2.3.1 Cavities		6625		
1.3.2.2.3.2 Cryostats		2909		
1.3.2.2.3.3 Internal Cryogenics		504		
1.3.2.2.3.4 Focusing Magnets		420		
1.3.2.2.3.5 Vacuum Systems		1032		
1.3.2.2.3.6 Cavity Processing & Cryostat Assembly		1182		
1.3.2.3 Inter-cryomodule Beam Transport Sections	31			
1.3.2.4 Cryomodule Installation & Checkout in Tunnel	361			
1.3.4 Beam Stripper & Charge State Selection Systems (2 units)		3000	See K.W.S. spread sheet	